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COMP30680 Web Application Development - Assignment 1: HTML and CSS

The website is for the **charity Irish Heart Foundation**.
Most of the information were extracted from their website (https://irishheart.ie) and from a charity employee.

General requirements:
- 5 pages: index.html, gallery.html, donate.html, about.html and donate.html
- Links to own pages can be found in the top nav bar and by clicking the "DONATE" button on the homepage
- Links to external pages can be found on the footer where the social media buttons redirect to the real pages of the charity
- Navigation Bar on top of each page. The bar is responsive to browser window resize
- Table can be found on page "about.html". I user various CSS elements to personalise the style and highlight specific content
- Unordered list can be found on page "donate.html". I used the charity logo as the list symbol
- There are 2 embedded videos from YouTube. A video can be found on the page "about.html" and another within an article in page "news.html". Both videos are responsive
- Some of the CSS3 elements used are:
  - Rounded Corner (border-radius) on various div elements
  - Web Fonts imported form Google Fonts (4 fonts have been used)
  - Media Queries used to make responsive gallery (when resizing the window, a different amount of picture will be displayed), navigation bar
  - Opacity for the footer and animated button
  - Shadows Effect for the images in the "gallery.html" page
  - Animated button on the "index.html" page
- Some of the HTML5 elements used are:
  - <article> used in "news.html"
  - <figure> and containing pictures e.g. "gallery.html"
  - <footer> on every page containing the footer with links
  - <header> on every page containing navigation bar
  - <nav> contain the navigation bar and footer links
  - <section> to define sections of various pages e.g. "about.html"
- CSS positional properties used on different elements e.g. button "index.html", page "news.html", etc.
- Block elements (<div>) used on different pages e.g. "about.html". Inline element (<span>) used on index.html for the donate button

Additional features:

Common Elements to all pages

- Web Fonts, 4 Google Fonts were used in all the pages:

   o "Indie Flower" for headings <h3>
   o "Permanent Marker" for major headings <h1> <h2>
   o "Roboto" for navigation bar and table on page about.html
   o "Poppins" for the text contents in pages about.html donate.html and news.html
https://fonts.googleapis.com/css? family=Indie+Flower|Permanent+Marker|Roboto|Poppins

- Background picture

   On index.html page full size background picture
   On all other pages reduced size background picture

- Responsive Navigation Bar

   Top horizontal navigation bar that links all the pages. The logo also links to the home page index.html and the heart image can be used as a link to the donate.html page. The bar reshapes when window is resized below fixed size (@media queries), the blocks will move on top of each other rather than being displayed horizontally. Added effect when hovering with the mouse on the blocks (note that only the elements on the right hand side have the hover effect, on the logo and heart on the left hand side the hover effect was not applied since images are used as links). Created the effect that, when on page news.html, about.html and gallery.html, the nav bar will highlight the current page you are on.

- Footer

   Contains social media logos and links that redirect to the charity social media profiles. Added opacity effect. Added my signature (right hand side), if clicked, will allow to send an email to my UCD email address.

Specific elements on each page:

index.html – HOME PAGE

- Full size Background picture
- Responsive font size
- Responsive button size
- Animated button "DONATE" which links to the donate.html page

gallery.html – PHOTO GALLERY

- Responsive gallery page. Picture will resize and a different number of images will be displayed based on the browser window size.
- Clicking on the image will open the full picture
- Added hover effect and caption for each image
- Added box shadow effect on the pictures
- Images taken from Irish Hearth Foundation Facebook page, Instagram, official website and charity employee

donate.html - DONATE

- Created a div container for the heading
- To highlight what the foundation can do with the donations, I used grid function to display three containers having the same size inline
- Created an unordered list to explain the different types of donations that the charity accepts. I have used the charity "heart logo" as a list symbol using it as a background picture.
- At the bottom of the page added full-width picture
- Information were taken from https://irishheart.ie/ways-to-give

about.html – ABOUT

- Created first div container with description about the charity main focus
- Embedded Youtube video. Video is responsive when resizing browser window
- Created another div with some stats and different background color
- Created Table about principal causes of death in Ireland. Used several CSS features to personalize the table and highlight specific information, e.g. highlighted the first three rows as they are related to heart disease; added different characteristic to the last column % data with the last-child option.
  Added heading and caption to the table. Table is responsive.
- Created another div with different background color with information about the Foundation
- Information were taken from https://irishheart.ie/our-mission and https://health.gov.ie/wp-content/uploads/2018/01/Key-Trends.pdf

News.html – NEWS

- Created a three columns responsive layout contain three articles. The layout is responsive as the three columns will stack on top of each other when browser window is resized
- In two of the three articles an image is contained in the <div> and made responsive
- In the other article a YouTube video is embedded and responsive
- Added a fill-width picture at the bottom of the page using the same CSS as for the picture in the donate.html page
- Information were taken from https://irishheart.ie/news

More information and references about the code used can be found as comment before the code itself.